

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/051451

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/0045 G11B7/013 G11B7/24 G11B7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 776 656 A (SHINKAI ET AL) 7 July 1998 (1998-07-07) claim 1; example 1	1,3
X	EP 0 676 751 A (MITSUI TOATSU CHEMICALS, INCORPORATED; MITSUI CHEMICALS, INC) 11 October 1995 (1995-10-11) claims 1,2,4	1,2
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08, 30 August 1996 (1996-08-30) & JP 08 111034 A (MITSUI TOATSU CHEM INC), 30 April 1996 (1996-04-30) abstract	1-3

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

7 February 2005

Date of mailing of the international search report

17/02/2005

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5776656	A	07-07-1998	JP	3041230 B2	15-05-2000
			JP	9131968 A	20-05-1997
			JP	9323478 A	16-12-1997
			JP	9099642 A	15-04-1997
			US	5679430 A	21-10-1997
<hr/>					
EP 0676751	A	11-10-1995	DE	69521823 D1	30-08-2001
			EP	0676751 A1	11-10-1995
			JP	7323665 A	12-12-1995
			US	5633106 A	27-05-1997
			JP	8031010 A	02-02-1996
			JP	8235637 A	13-09-1996
<hr/>					
JP 08111034	A	30-04-1996	NONE		